

## WHAT IS CLAIMED IS:

## 1. An image display apparatus, comprising:

first image light generation means for generating image lights individually corresponding to a plurality of color components, which form a single first color component group; and

display image light generation means for synthesizing the image lights of the individual color components generated by said first image light generation means to generate a first display image light;

said first image light generation means setting color component values of the individual color components, which form the first color component group, so that the first display image light may be generated with a chromaticity point and a luminance equal to those of a second display image light to be generated by synthesizing image lights individually corresponding to color components of a second color component group whose color components in combination are different from those of the first color component group, said first image light generation means generating image lights individually corresponding to the color components, which form the first color component group, based on the set color component values.

2. The image display apparatus according to claim 1, further comprising:

second image light generation means for generating image lights individually corresponding to the color components, which form said second color component group;

said display image light generation means synthesizing the image lights of the individual color components generated by said second image light generation means to generate the single second display image light; and

switching means for switching the image lights to be synthesized by said display image light generation means at a required timing between the image lights generated by said first image light generation means and the image lights generated by said second image light generation means.

3. The image display apparatus according to claim 2, wherein said switching means performs the switching at the required timing so that a variation according to a predetermined form is provided to a portion of the image formed with the first display image light.

4. An image display method, comprising:

a first image light generation step of generating image lights individually corresponding to a plurality of

color components, which form a first color component group; and

a display image light generation step of synthesizing the image lights of the individual color components generated by the first image light generation step to generate a single first display image light;

the first image light generation step setting color component values of the individual color components, which form the first color component group, so that the first display image light may be generated with a chromaticity point and a luminance equal to those of a second display image light to be generated by synthesizing image lights individually corresponding to color components of a second color component group whose color components in combination are different from those of the first color component group, the first image light generation step generating image lights individually corresponding to the color components, which form the first color component group, based on the set color component values.

5. The image display method according to claim 4, further comprising:

a second image light generation step generating image lights individually corresponding to the color

components, which form the second color component group;  
the display image light generation step  
synthesizing the image lights of the individual color  
components generated by the second image light generation  
step to generate the single second display image light;  
and

a switching step of switching the image lights to  
be synthesized by the display image light generation step  
at a required timing between the image lights generated  
by the first image light generation step and the image  
lights generated by the second image light generation  
step.

6. The image display method according to claim 5,  
wherein the switching step performs the switching at the  
required timing so that a variation according to a  
predetermined form is provided to a portion of the image  
formed with the first display image light.

7. An image display apparatus, comprising:

first image light generator for generating image  
lights individually corresponding to a plurality of color  
components, which form a single first color component  
group; and

display image light generator for synthesizing the  
image lights of the individual color components generated

by said first image light generator to generate a first display image light;

said first image light generator setting color component values of the individual color components, which form the first color component group, so that the first display image light may be generated with a chromaticity point and a luminance equal to those of a second display image light to be generated by synthesizing image lights individually corresponding to color components of a second color component group whose color components in combination are different from those of the first color component group, said first image light generator generating image lights individually corresponding to the color components, which form the first color component group, based on the set color component values.